

**AMENDMENTS TO THE CLAIMS:**

Please cancel claim 42 without prejudice. Please amend claims 1-16, 19, 21, 23, 24 and 26-41. Please add claims 43-52 as follows:

**1. (Currently Amended)** A method for simultaneous determination of a biological, chemical and/or physical property of a plurality of individual samples of a turbid medium comprising the steps:

- i) arranging said individual samples of the turbid medium comprising a color indicator in an array;
- ii) allowing said color indicator to interact with said samples;
- iii) providing picture capturing means for capturing a digital image of the color developed on a surface of said samples following said interaction;
- iv) using said digital image to obtain a digital value representation for said property, said value representation being used for calculating a value for said property.

**2. (Currently Amended )** The A method of claim 1 further comprising the step of comparing said digital value with the values obtained from a standardised set of samples having a range of known values representing said property to obtain a calculated value for said property.

**3. (Currently Amended )** The A method according to claims claim 1 or 2, wherein said array is in the form of a container, ~~such as a microtitre plate~~, having a plurality of wells arranged in an array format, ~~said plurality being in the range of between 2 and 4000, such as 6, 24, 96, 384, or 1536 wells.~~

**4. (Currently Amended )** The A method according to ~~any one of claims~~ claim 1 through 3, wherein said container has ~~an at least a partly transparent surface, such as a top or a bottom.~~

**5. (Currently Amended )** The A method according to ~~any one of claims~~ claim 1 through 4, wherein ~~said picture capturing means for determination of color is a color-~~

enabled photoelectric scanning device, that produces a digital color representation of said surface.

6. (Currently Amended) The A method according to any one of claims claim 1 through 5, wherein said picture capturing means is a scanning device.

7. (Currently Amended) The A method according to any one of claims claim 1 through 6, wherein said scanning device is one of a line-by-line operating autofeed scanner, a flatbed scanner, a digital video camera and or a digital camera.

8. (Currently Amended) The A method according to any one of claims claim 1 through 7, wherein said scanning device operates on an at least partly open or transparent end of said container to generate an image file recording of the color of said sample.

9. (Currently Amended) The A method according to claim 8, wherein said scanning device operates through the bottom of said container.

10. (Currently Amended) The A method according to any one of claims claim 1 through 9, wherein digital image processing methods are used to obtain an image file for determining the measuring positions from the digital color representation of said surface and for calculating said value for said property.

11. (Currently Amended) The A method according to any one of claims claim 1 through 10 further comprising the step of illuminating the at least partly transparent surface of the container in connection with determining said color.

12. (Currently Amended) The A method according to any one of claims claim 8 through 11, further comprising the steps:

- i) analyzing said image file and generation of data values for image parameters by means of an analyzer; and

ii) translating said data values for image parameters to a value representing said biological, chemical and/or physical property of said sample by means of said analyzer.

13. (Currently Amended) The A method according to any one of claims claim 1 through 12, wherein said medium is liquid, semi-liquid or a gel.

14. (Currently Amended) The A method according to any one of claims claim 1 through 13, wherein said medium is selected from the group consisting of biological fluids, such as dairy products, oil products, fruit juice products including jelly, spice products, beverages, whole blood, serum, or any combination thereof as well as emulsions, including latex emulsions, mayonnaise, salad dressings, skin lotions and skin tonics.

15. (Currently Amended) The A method according to any one of claims claim 1 through 14 wherein said medium contains live microorganisms, such as yeasts, or lactic acid bacteria or yeasts and lactic acid bacteria both.

16. (Currently Amended) A method according to any one of claims claim 8 through 15, wherein said image file comprises an image format, such as Synchronized Multimedia Integration Language (SMIL) format, any JPEG format, any Graphics Interchange Format (GIF), Computer Graphics Metafile, TIFF, BIFF, bmp, Clear, FITS, NFF, OFF, PCX, PNG, TGA, XBM, med, Portable Document Format (PDF), Portable Network Graphics, Portable Pixmap, progressive coding, Quicktime, RIFF, Self Extracting Archive, sequential coding, server parsed HTML, sprite, Tagged Image File Format, targa, Targa Graphics Adaptor, thumbnail, wav, WebCGM, wireless bitmap, xpm or a different frame rate video or similar format.

17. (Original) A method according to claim 12, wherein said image parameters comprise lightness, chroma, Hue angle, or any combination thereof.

18. (Original) A method according to claim 17, wherein said Hue angle determined from said image file is correlated with a pH level of said sample.

19. (**Currently Amended**) A method according to any one of claims claim 5 through 18, wherein ~~said scanning of said scanning device scans said container, said scanning comprises scanning at predetermined time intervals, preferably in the range from about 0.00001 second to about 60 to 120 minutes.~~

20. (**Original**) A method according to claim 12, wherein said analyzing of said image file is performed in predetermined regions of said container.

21. (**Currently Amended**) A method according to any one of claims claim 12 through 20 which further comprises saving said image parameters in a data file.

22. (**Original**) A method according to claim 21, wherein said data file is a comma-separated-value type file, a space-separated-value type file, a text type file, or any combinations thereof.

23. (**Currently Amended**) A method according to any one of claims claim 21 and 22 further comprising presenting said data file in graphical or textual form by means of a display.

24. (**Currently Amended**) A method according to any one of claims claim 12 through 23, wherein said analyzer comprises a digital processor such as in a computer, a server system, a personal digital assistant, a cell phone, or any combination thereof.

25. (**Original**) A method according to claim 24, wherein said analyzer further comprises a memory device for storing an analyzing program code to be executed by the processor, for storing image files recorded by the scanner, and for storing data values generated by the analyzer.

26. (**Currently Amended**) A method according to any one of claims 24 and claim 25, wherein said memory device and/or said ~~scanner~~ scanning device is adapted to connect to said processor through a computer network, such as a dedicated line

~~network, a local area network, a wide area network, a metropolitan area network, or an inter-network.~~

27. (**Currently Amended**) ~~A method according to any one of claims 12~~ claim 21 through 26, wherein said analyzer further comprises a display for displaying progress of said analyzing of said image file and/or displaying said data file ~~such as a monitor for presenting textual or graphical data such as a personal computer monitor, personal digital assistant monitor, cell phone display, or any combination thereof.~~

28. (**Currently Amended**) ~~The A~~ method according to ~~any one of claims~~ claim 1 through 27, wherein said property is the pH of the medium.

29. (**Currently Amended**) ~~The A~~ method according to ~~any one of claims~~ claim 1 through 28, wherein said color indicator is a pH indicator.

30. (**Currently Amended**) ~~The A~~ method according to claim 29, wherein said pH indicator is adapted to indicate pH levels between 3 and 8, the pH indicators indicator being preferably selected from the group consisting of bromocresol green, bromocresol purple, bromophenol blue, bromothymol blue, chlorophenol red, phenol red[, etc].

31. (**Currently Amended**) ~~The A~~ method according to ~~any one of claims~~ claim 1 through 30, wherein said medium is milk, a processed milk product, whey, ~~and/or a bacteriological medium optionally comprising or a combination thereof live lactic acid bacteria.~~

32. (**Currently Amended**) ~~The A~~ method according to ~~claim 31, claim 1 or 3~~ which further comprises adding bacterial cultures to said sample in said array or container.

33. (**Currently Amended**) ~~The A~~ method according to claim 31, wherein determination of pH is an indication of bacteriophage infection of the lactic acid bacteria.

34. (Currently Amended) The A method according to any one of claims claim 1 or 3 through 27, wherein said property is the viscosity of the medium.

35. (Currently Amended) The A method according to claim 34, wherein said medium is yogurt.

36. (Currently Amended) The A method according to any one of claims claim 34 and 35 wherein said color indicator is brilliant blue or Ruthenium Red.

37. (Currently Amended) The A method according to any one of claims claim 34 through 36, wherein said color indicator is added to the top surface of or into the sample after adding the sample to the array or the container.

38. (Currently Amended) The A method according to any one of claims claim 34 36 through 37, wherein said color indicator is allowed to interact with said sample according to a predetermined time wherein a development at the bottom of said sample surface is known to correspond to a specific viscosity of said medium.

39. (Currently Amended) A system for determining a chemical or physical property of a turbid medium comprising:

- i) a container for containing a sample of said medium;
- ii) a an indicator to be introduced in said sample, said indicator being adapted to indicate a specific value of said property by a specific color;
- iii) an incubator for supporting said container and incubating said sample contained in said container;
- iv) a scanner or digital camera for scanning said container, thereby generating an image file recording the color of said sample having reacted with the indicator,
- v) an analyzer for analyzing said image file and generating data values for image parameters for said image file and determining the value of said property of said sample from said image parameters.

40. (**Currently Amended**) The A system of claim 39 wherein said property is the acidity of said medium as measured by pH and said indicator is a pH indicator.

41. (**Currently Amended**) The A system of claim 39 wherein said property is the viscosity of said medium and said indicator is a colored substance characterised in having a time for penetration of said sample which is correlated with the viscosity of said sample.

42. (**Cancelled**)

43. (**New**) A method according to claim 1, wherein the container is a microtitre plate having between 2 and 4000, 6, 24, 96, 384 or 1536 wells.

44. (**New**) A method according to claim 3, wherein said container has transparent top or bottom.

45. (**New**) A method according to claim 1, wherein said medium is selected from the group consisting of dairy products, oil products, fruit juice products, jelly, spice products, beverages, whole blood, serum, or any combination thereof.

46. (**New**) A method according to claim 1, wherein said medium contains yeasts or lactic acid bacteria or both.

47. (**New**) A method according to claim 8, wherein said image format comprises Synchronized Multimedia Integration Language (SMIL) format, any JPEG format, any Graphics Interchange Format (GIF), Computer Graphics Metafile, TIFF, BIFF, bmp, Clear, FITS, NFF, OFF, PCX, PNG, TGA, XBM, mod, Portable Document Format (PDF), Portable Network Graphics, Portable Pixmap, progressive coding, Quicktime, RIFF, Self Extracting Archive, sequential coding, server-parsed HTML, sprite, Tagged Image File Format, targa, Targa Graphics Adaptor, thumbnail, wav, WebCGM, wireless bitmap, xpm or a different frame rate video or similar format.

48. (**New**) A method according to claim 5, wherein said predetermined time intervals comprise the intervals of about 0.00001 second to about 60 minutes, or about 0.00001 second to about 120 minutes.

49. (**New**) A method according to claim 24, wherein said digital processor is included in a computer, a server system, a personal digital assistant, a cell phone, or any combination thereof.

50. (**New**) A method according to claim 25, wherein said memory device and/or said scanning device is adapted to connect to said processor through a dedicated line network, a local area network, a wide area network, a metropolitan area network, or an inter-network.

51. (**New**) A method according to claim 27, wherein said display includes a monitor for presenting textual or graphical data, a personal computer monitor, a personal digital assistant monitor, a cell phone display, or any combination thereof.

52. (**New**) A method according to claim 31, wherein said medium comprises live lactic acid bacteria.